ABSTRACT

The invention relates to a method for the preparation of a printing plate comprises inkjet printing an oleophilic image on a surface of a support by applying to the support an aqueous solution or aqueous colloidal dispersion of an oleophilising compound on the surface of the support and drying the applied solution or dispersion, such that on drying the area of the surface to which the solution or dispersion was applied becomes lithographic ink-accepting, characterised in that the oleophilising compound has the chemical structure

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$$MO_2C$$
-(CHR)_I-(CHR')_m-(CHR")_n-CO₂M

or

$$MO_2C-(CHR)_1-(CHR')_m-(CHR'')_n-SO_3M$$

wherein

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each M is the same or different and is independently selected from H or a cation;

each of l, m and n independently is 0 or 1,

provided that l+m+n = at least 1;

each of R, R' and R" independently is -H, -B or -L-B;

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L is a linking group selected from alkylene, alkyleneoxy, thio, sulfonyl, sulfinyl, sulfoxyl, amido, alkylamido, oxyamido, alkylcarbamoyl carbamoyl, sulfonylamido, aminosulfonyl, aminosufonylamido, hydrazinyl-sufonyl, carboxyl, oxycarbonyl, carbonyl, carboxyhydrazinyl, amino, thiocarbonyl, sulfamoylamino, sulfamoyl, thiocarbamoyl, any one of said linking groups being substituted or unsubstituted; and

B is a hydrophobic group comprising 8 or more carbon atoms, provided that at least one of R, R' and R" is present and has the structure –B or –L-B.